

Title (en)  
PROCESS FOR PRODUCING OPTICALLY ACTIVE ATENOLOL AND INTERMEDIATE THEREOF

Publication  
**EP 0435068 A3 19911113 (EN)**

Application  
**EP 90123904 A 19901212**

Priority  
JP 34444789 A 19891227

Abstract (en)  
[origin: EP0435068A2] Improved process for producing an optically active atenolol useful as a beta -adrenergic blocker for the treatment of angina pectoris, arrhythmia and hypertension, which comprising reacting a phenol compound with an optically active epihalohydrin to give an intermediate, optically active glycidyl ether compound, followed by reacting the intermediate with isopropylamine, and purification method of the optically active atenolol in high yield by means of forming a salt of atenolol with a Bronsted's acid whereby the salt of optically active atenolol having high optical purity can be separated from the salt of racemic atenolol by solid-liquid separation method.

IPC 1-7  
**C07C 231/18**; **C07C 235/34**

IPC 8 full level  
**C07C 231/18** (2006.01); **C07C 231/20** (2006.01); **C07C 235/34** (2006.01); **C07C 235/46** (2006.01); **C07D 303/22** (2006.01); **C07D 303/23** (2006.01)

CPC (source: EP KR US)  
**C07C 231/18** (2013.01 - EP US); **C07C 231/20** (2013.01 - EP US); **C07C 235/34** (2013.01 - KR); **C07C 235/46** (2013.01 - EP US); **C07D 303/22** (2013.01 - EP US)

Citation (search report)  
• [AD] GB 1458393 A 19761215 - ICI LTD  
• [AD] US 3836671 A 19740917 - BARRETT A, et al  
• [A] EP 0193227 A1 19860903 - GIST BROCADES NV [NL], et al  
• [A] CHEMICAL ABSTRACTS, vol. 111, 1989, page 753, abstract no. 194562p, Columbus, Ohio, US; & JP - A - 01 102 072 (NIPPON KAYAKU CO., LTD) 19-04-1989

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**EP 90123904 A 19901212**; CA 2032098 A 19901212; DE 69018215 T 19901212; DE 69026281 T 19901212; EP 94100873 A 19901212; ES 90123904 T 19901212; ES 94100873 T 19901212; JP 34444789 A 19891227; KR 900021996 A 19901227; US 62430290 A 19901207